Amendments to the Claims

1	Claim 1 (original): A computer program product embodied on one or more computer-readable
2	media, the computer program product adapted for efficiently transforming extensible structured
3	documents and comprising:
4	computer-readable program code means for identifying a source document type;
5	computer-readable program code means for specifying one or more fast transformations to
6	be performed on documents of the source document type;
7	computer-readable program code means for specifying a source node description and a
8	target node description for each of the specified fast transformations;
9	computer-readable program code means for storing transformation information for each of
10	the specified fast transformations, the transformation information comprising a transformation
11	identifier, the source node description, and the target node description; and
12	computer-readable program code means for processing incoming source documents to
13	generate output documents using the stored transformation information, further comprising:
14	computer-readable program code means for receiving a source document;
15	computer-readable program code means for selecting, manually or based upon a
16	comparison of the received source document to the stored transformation information, zero or
17	more fast transformations to be performed;
18	computer-readable program code means for applying the selected fast
19	transformations; and
20	computer-readable program code means for generating one or more output
21	documents using a result of the computer-readable program code means for applying.
	Serial No. 09/653,080 -10- Docket RSW9-2000-0114-US1

- 1 Claim 2 (original): The computer program product according to Claim 1, wherein the received
- 2 source document is an Extensible Markup Language (XML) document.
- 1 Claim 3 (original): The computer program product according to Claim 2, further comprising
- 2 computer-readable program code means for parsing the XML document.
- 1 Claim 4 (original): The computer program product according to Claim 1, wherein the received
- 2 source document is an array-based representation of an Extensible Markup Language (XML)
- 3 document.
- 1 Claim 5 (original): The computer program product according to Claim 4, and wherein the
- 2 computer-readable program code means for applying the selected transformations further
- 3 comprises computer-readable program code means for manipulating selected nodes by
- 4 manipulating the array-based representation.
- 1 Claim 6 (original): The computer program product according to Claim 1, wherein the received
- 2 source document is a machine-oriented markup language document.
- 1 Claim 7 (original): The computer program product according to Claim 1, wherein the received
- 2 source document is an array-based representation of a machine-oriented markup language
- 3 document.
 - Serial No. 09/653,080

- Claim 8 (original): The computer program product according to Claim 1, wherein the received
- 2 source document is a parsed representation of an extensible document.
- 1 Claim 9 (original): The computer program product according to Claim 1, wherein the source
- 2 node description identifies one or more source nodes in an input document of the source
- document type and wherein the target node description identifies zero or more target nodes in an
- 4 output tree to be generated in the one or more output documents.
- 1 Claim 10 (currently amended): The computer program product according to Claim 1, wherein
- 2 the computer-readable program code means for processing further comprises computer-readable
- 3 program code means for applying a general purpose transformation engine to perform
- 4 transformations other than the selected fast transformations, wherein the general purpose
- transformation engine is a stylesheet engine, and wherein the computer-readable program code
- 6 means for generating uses the result of the computer-readable program code means for applying
- 7 the selected fast transformations as well as a result of the computer-readable program code means
- 8 for applying the general purpose transformation engine.
- 1 Claim 11 (original): The computer program product according to Claim 10, wherein the
- 2 stylesheet engine is an Extensible Stylesheet Language (XSL) engine.
- 1 Claim 12 (currently amended): A system for efficiently transforming extensible structured
 - Serial No. 09/653,080

-12-

2	documents, comprising:
3	means for specifying fast transformations to be applied to incoming source documents,
4	further comprising:
5	means for specifying a signature that identifies a source document type;
6	means for specifying one or more fast transformations to be performed on
7	documents that match the specified signature;
8	means for specifying a source node description and a target node description for
.9	each of the specified fast transformations; and
10	means for storing transformation information for each of the specified fast
11.	transformations, the transformation information comprising a transformation identifier, the source
12	node description, and the target node description;
13	means for applying the fast transformations to particular incoming source documents
14	matching criteria of the specified fast transformations; and
15	means for applying general purpose transformations to incoming source documents not
16	matching criteria of the specified fast transformations.
	Claim 13 (canceled)
1	Claim 14 (currently amended): The system according to Claim [[13]] 12, wherein the means for
2	applying the fast transformations further comprises:
3	means for receiving a source document;
4	means for selecting, manually or based upon a comparison of the received source
	Serial No. 09/653,080 -13- Docket RSW9-2000-0114-US1

PAGE 16

- 5 document to the stored transformation information, zero or more fast transformations to be
- 6 performed; and
- means for applying the selected fast transformations by manipulating selected nodes of the
- 8 received source document according to the selected fast transformations.
- 1 Claim 15 (currently amended): The system according to Claim [[12]] 14, wherein the received
- 2 source document is an Extensible Markup Language (XML) document.
- 1 Claim 16 (original): The system according to Claim 15, further comprising means for parsing the
- 2 XML document.
- 1 Claim 17 (currently amended): The system according to Claim [[12]] 14, wherein the received
- 2 source document is an array-based representation of an Extensible Markup Language (XML)
- 3 document.
- Claim 18 (original): The system according to Claim 14, wherein the received source document is
- an array-based representation of an Extensible Markup Language (XML) document, and wherein
- 3 the means for applying the selected fast transformations by manipulating selected nodes further
- 4 comprises means for manipulating the array-based representation.
- 1 Claim 19 (currently amended): The system according to Claim [[12]] 14, wherein the received
- 2 source document is a machine-oriented markup language document.
 - Serial No. 09/653,080

- Claim 20 (currently amended): The system according to Claim [[12]] 14, wherein the received
- 2 source document is an array-based representation of a machine-oriented markup language
- 3 document.
- 1 Claim 21 (currently amended): The system according to Claim [[12]] 14, wherein the received
- 2 source document is a parsed representation of an extensible document.
- Claim 22 (currently amended): The system according to Claim 12, wherein the source node
- 2 description identifies one or more source nodes in an input document of the source document type
- 3 and wherein the target node description identifies zero or more target nodes in an output tree to
- be generated in [[the]] one or more output documents, responsive to operation of the means for
- 5 applying the fast transformations.
- 1 Claim 23 (currently amended): The system according to Claim 12, wherein the general purpose
- 2 transformation engine is transformations are applied using a stylesheet engine.
- 1 Claim 24 (original): The system according to Claim 23, wherein the stylesheet engine is an
- 2 Extensible Stylesheet Language (XSL) engine.
- 1 Claim 25 (currently amended): A method for efficiently transforming extensible structured
- 2 documents, comprising the steps of:
 - Serial No. 09/653,080

3	specifying fast transformations to be applied to incoming source documents, further
4	comprising the steps of:
5	specifying a signature that identifies a source document type;
6	specifying one or more fast transformations to be performed on documents that
7	match the specified signature;
8	specifying a source node description and a target node description for each of the
9	specified fast transformations; and
10	storing transformation information for each of the specified fast transformations.
11	the transformation information comprising a transformation identifier, the source node
12	description, and the target node description;
13	applying the fast transformations to particular incoming source documents matching
14	criteria of the specified fast transformations; and
15	applying general purpose transformations to incoming source documents not matching
16	criteria of the specified fast transformations.
	Claim 26 (canceled)
1	Claim 27 (currently amended): The method according to Claim [[26]] 25, wherein the step of
2	applying the fast transformations further comprises the steps of:
3	receiving a source document;
4	selecting, manually or based upon a comparison of the received source document to the
5	stored transformation information, zero or more fast transformations to be performed; and
	Serial No. 09/653,080 -16- Docket RSW9-2000-0114-1151

- applying the selected fast transformations by manipulating selected nodes of the received source document according to the selected fast transformations.
- Claim 28 (currently amended): The method according to Claim [[25]] 27, wherein the received
- 2 source document is an Extensible Markup Language (XML) document.
- 1 Claim 29 (original): The method according to Claim 28, further comprising the step of parsing
- 2 the XML document.
- 1 Claim 30 (currently amended): The method according to Claim [[25]] 27, wherein the received
- 2 source document is an array-based representation of an Extensible Markup Language (XML)
- 3 document.
- 1 Claim 31 (original): The method according to Claim 27, wherein the received source document
- 2 is an array-based representation of an Extensible Markup Language (XML) document, and
- 3 wherein the step of applying the selected fast transformations by manipulating selected nodes
- 4 further comprises the step of manipulating the array-based representation.
- 1 Claim 32 (currently amended): The method according to Claim [[25]] 27, wherein the received
- 2 source document is a machine-oriented markup language document.
- Claim 33 (currently amended): The method according to Claim [[25]] 27, wherein the received
 - Serial No. 09/653,080

-17-

- 2 source document is an array-based representation of a machine-oriented markup language
- 3 document.
- 1 Claim 34 (currently amended): The method according to Claim [[25]] 27, wherein the received
- 2 source document is a parsed representation of an extensible document.
- 1 Claim 35 (currently amended): The method according to Claim 25, wherein the source node
- 2 description identifies one or more source nodes in an input document of the source document type
- and wherein the target node description identifies zero or more target nodes in an output tree to
- be generated in [[the]] one or more output documents, responsive to operation of the step of
- 5 applying the fast transformations.
- Claim 36 (currently amended): The method according to Claim 25, wherein the general purpose
- 2 transformation engine is transformations are applied using a stylesheet engine.
- 1 Claim 37 (original): The method according to Claim 36, wherein the stylesheet engine is an
- 2 Extensible Stylesheet Language (XSL) engine.
- 1 Claim 38 (original): The method according to Claim 27, further comprising the step of
- 2 preloading one or more templates prior to operation of the step of applying the selected fast
- 3 transformations.

- Claim 39 (original): The method according to Claim 25, further comprising using a result of the
- 2 step of applying the fast transformations and a result of the step of applying general purpose
- 3 transformations to create an output document, and wherein the source document and/or the
- 4 output document may be represented as in-memory structures which may have been produced by
- 5 or may be sent to another software process.